

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	3	((integrated circuit) or (IC card)) near9 (generating near6 (key near5 (certificate)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/01/23 12:03
L3	451	(generating near6 (key near5 (certificate)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/01/23 12:03
L4	132	(generating near6 (key near (certificate)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/01/23 12:03
L5	34	(generating near6 (key near (certificate))) and ((integrated circuit) or (IC card))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/01/23 13:08
L6	9	((integrated circuit) or (IC card)) near9 (generating near6 ((key near pair) or (public near private near key) or (asymmetric key)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/01/23 15:20
L7	0	((integrated circuit) or (IC card)) same (generating near6 ((key near pair) or (public near private near key) or (asymmetric key))) same ((common or symmetric) near key)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/01/23 15:23
L8	9	((integrated circuit) or (IC card)) and (generating near6 ((key near pair) or (public near private near key) or (asymmetric key))) same ((common or symmetric) near key)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/01/23 15:23
L9	9	((integrated circuit) or (IC card)) and (generating near6 ((key near pair) or (public near private near key) or (asymmetric key))) same ((common or symmetric) near key)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/01/23 15:23
S1	824	713/193.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/17 13:08

## EAST Search History

S2	457	713/193.ccls. and @ad < "20010328"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/07 12:44
S3	2	(713/193.ccls. and @ad < "20010328") and ((Key near2 protect\$3) with certificat\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/01 14:10
S4	19	(713/193.ccls. and @ad < "20010328") and ((Key near2 protect\$3) with (device or card or "serial Number" or serial))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/01 14:21
S5	54	((key near2 instal\$4) with certificat\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/01 14:29
S6	29	((((key near2 instal\$4) with certificat\$3)) and @ad < "20010328"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/01 15:39
S7	206	(certificat\$3 with (unaltered or unchanged or "manufacture near2 key" or right) with key)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/01 15:42
S8	4	((((certificat\$3 with (unaltered or unchanged or "manufacture near2 key" or right) with key)) and @ad < "20010328") and 713/193.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/01 15:43
S9	86	((certificat\$3 with (unaltered or unchanged or "manufacture near2 key" or right) with key)) and @ad < "20010328"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/04 08:22
S10	835	certif\$4 with manufactur\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/04 08:23
S11	492	(certif\$4 with manufactur\$4) and @ad < "20010328"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/04 08:25

## EAST Search History

S12	492	(certif\$4 with manufactur\$4) and @ad < "20010328"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/04 11:18
S13	6	((certif\$4 with manufactur\$4) and @ad < "20010328") and 713/193.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/04 11:18
S14	824	713/193.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/04 11:18
S15	457	713/193.ccls. and @ad < "20010328"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/04 11:18
S16	5	(713/193.ccls. and @ad < "20010328") and "key protect\$"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/04 11:19
S17	5	(713/193.ccls. and @ad < "20010328") and "key protection"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/04 11:51
S18	0	(713/193.ccls. and @ad < "20010328") and ("key protection" with certificat\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/04 13:18
S19	457	(713/193.ccls. and @ad < "20010328")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/04 13:19
S20	48	((713/193.ccls. and @ad < "20010328") ) and ((symmetric or common) adj key)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/04 13:20
S21	19	((((713/193.ccls. and @ad < "20010328") ) and ((symmetric or common) adj key)) and (key with certificat\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/04 13:21

## EAST Search History

S22	2	(((((713/193.ccls. and @ad < "20010328") ) and ((symmetric or common) adj key)) and (key with certificat\$3)) and ((encipher or cipher or encrypt\$3) with ("data structure" or "data block" or "data packet"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/04 13:22
S23	1	(((((713/193.ccls. and @ad < "20010328") ) and ((symmetric or common) adj key)) and (key with certificat\$3)) and ((encipher or cipher or encrypt\$3) with ("data structure" or "data block" or "data packet")))) and "digital signature") and ("digital signature" with ("serial number" or identification))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/04 13:23
S24	1	(((((713/193.ccls. and @ad < "20010328") ) and ((symmetric or common) adj key)) and (key with certificat\$3)) and ((encipher or cipher or encrypt\$3) with ("data structure" or "data block" or "data packet")))) and "digital signature") and ("digital signature" with ("serial number" or identification))) and authenticat\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/04 13:23
S25	2	(((((713/193.ccls. and @ad < "20010328") ) and ((symmetric or common) adj key)) and (key with certificat\$3)) and ((encipher or cipher or encrypt\$3) with ("data structure" or "data block" or "data packet")))) and "digital signature"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/04 16:26
S26	2	(((((713/193.ccls. and @ad < "20010328") ) and ((symmetric or common) adj key)) and (key with certificat\$3)) and ((encipher or cipher or encrypt\$3) with ("data structure" or "data block" or "data packet")))) and "digital signature"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/04 16:27
S27	2	(((((713/193.ccls. and @ad < "20010328") ) and ((symmetric or common) adj key)) and (key with certificat\$3)) and ((encipher or cipher or encrypt\$3) with ("data structure" or "data block" or "data packet")))) and "digital signature") and decrypt	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/04 16:27

## EAST Search History

S28	2	(((((713/193.ccls. and @ad < "20010328") ) and ((symmetric or common) adj key)) and (key with certificat\$3)) and ((encipher or cipher or encrypt\$3) with ("data structure" or "data block" or "data packet")))) and "digital signature") and decrypt\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/04 16:27
S29	2	(((((713/193.ccls. and @ad < "20010328") ) and ((symmetric or common) adj key)) and (key with certificat\$3)) and ((encipher or cipher or encrypt\$3) with ("data structure" or "data block" or "data packet")))) and "digital signature") and decrypt\$3) and symmetric	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/05 15:41
S30	825	713/193.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/05 15:41
S31	458	713/193.ccls. and @ad < "20010328"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/05 15:41
S32	252	("smart card" or SIM) with "serial number"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/05 15:42
S33	2	(713/193.ccls. and @ad < "20010328") and ("smart card" or SIM) with "serial number"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/05 16:32
S34	0	(713/193.ccls. and @ad < "20010328") and ("key protect\$4 certificat\$4")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/05 16:33
S35	0	(713/193.ccls. and @ad < "20010328") and ("key certificat\$4")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/05 16:33
S36	33	(713/193.ccls. and @ad < "20010328") and (key near2 certificat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/05 16:33

## EAST Search History

S37	17	((713/193.ccls. and @ad < "20010328") and (key near2 certificat\$4)) and "smart card"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/05 16:35
S38	9	((713/193.ccls. and @ad < "20010328") and (key near2 certificat\$4)) and "smart card") and ("data structure" or "data block" or "data packet")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/06 11:50
S39	319	"smart card" same ("serial number" or "device name")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/06 11:51
S40	314	"smart card" same ("serial number")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/06 11:51
S41	156	("smart card" same ("serial number")) and @ad < "20010328"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/06 11:52
S42	33	((("smart card" same ("serial number")) and @ad < "20010328") and ("serial number" with (encrypt\$3 or encipher\$3 or scrambl\$3)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/06 11:53
S43	0	((("smart card" same ("serial number")) and @ad < "20010328") and ("serial number" with (encrypt\$3 or encipher\$3 or scrambl\$3))) and (("data block" or "data structure" or "data packet") with ("serial number" and "digital signature" and certificat\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/06 11:56
S44	0	((("smart card" same ("serial number")) and @ad < "20010328") and ("serial number" with (encrypt\$3 or encipher\$3 or scrambl\$3))) and (("data block" or "data structure" or "data packet") with ("serial number"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/06 11:56
S45	427	((("data block" or "data structure" or "data packet") with ("serial number"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/06 11:57

## EAST Search History

S46	4	((("data block" or "data structure" or "data packet") with ("serial number" and certificat\$))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/06 11:57
S47	1	((("data block" or "data structure" or "data packet") with ("serial number" and certificat\$))) and ("serial number" with (encrypt\$3 or encipher\$3 or scrambl\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/07 12:43
S48	827	713/193.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/07 12:44
S49	458	713/193.ccls. and @ad < "20010328"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/07 12:48
S50	120	reject\$3 near3 certificat\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/07 12:48
S51	66	(reject\$3 near3 certificat\$3) and @ad < "20010328"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/07 12:49
S52	2	"6209091".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/07 18:15
S53	2	"6189097".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/07 18:16
S54	2	"6005942".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/07 18:16

## • EAST Search History

S55	2	(((((713/193.ccls. and @ad < "20010328" ) and ((symmetric or common) adj key)) and (key with certificat\$3)) and ((encipher or cipher or encrypt\$3) with ("data structure" or "data block" or "data packet")))) and "digital signature") and decrypt\$3) and symmetric	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/04 16:28
S56	4653	certificat\$3 near2 key	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/17 13:09
S57	30	certificat\$3 near2 key near2 protect\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/17 13:16
S58	2	"6005942".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/17 13:17
S59	18	("6005942").URPN.	USPAT	OR	ON	2005/05/17 13:31
S60	158	((device near2 key) near3 (authenticat\$3 or verificat\$3))	USPAT	OR	ON	2005/05/17 13:32
S61	29	((device near2 key) near3 (authenticat\$3 or verificat\$3)) same (signature or "digital signature" or certificat\$3)	USPAT	OR	ON	2005/05/17 14:16
S62	4	((("device key") near3 (authenticat\$3 or verificat\$3)) same (signature or "digital signature" or certificat\$3)	USPAT	OR	ON	2005/05/17 14:18
S63	20	((("device key") near3 (authenticat\$3 or verificat\$3))	USPAT	OR	ON	2005/05/17 14:23
S68	566	"key verification"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/17 14:26
S69	16	"key verification" same (device or card or SIM) same integrity	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/17 14:27



## EAST Search History

S70	6	("6209091" "6189097" "6005942").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/18 17:48
S71	2	"5623546".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/18 17:52
S72	2	"6751735".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/19 05:58
S73	92	("5210795" "5204902" "5659616" "6367013" "6738912" "6823454" "6826690" "6061448" "6061448" "5825300" "6189096" "6256741" "5265164" "6148405" "5796841" "6134328" "6311218" "6615349" "6892302" "5701343" "6748531" "6233685" "6148404" "4868877" "5005200" "5214702" "5901227" "5958051" "5982898" "6385728" "6058383" "6212504" "6212504" "6230266" "5220604" "6202151" "6233341" "6310966" "6367009" "6601171" "6671804" "6742114" "6775782" "6789193" "5864667" "6111953" "5923756" "6198824" "6072876" "6085320").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/19 05:58
S75	2	ep-807911-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/01/04 15:20
S76	155	("hash value" or "message digest" or digest or "message authentication code" or "MAC") same (compare or match) near9 ("serial number" or "serial No" or identifier)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/01/04 15:23
S77	19	("hash value" or "message digest" or digest or "message authentication code" or "MAC") same (compare or match) near9 ("serial number" or "serial No")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/01/04 16:46

## EAST Search History

S78	3	"4309569".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/01/05 06:57
S79	648	(decrypt\$4 or decipher\$4) same (compar\$4) same (received) same (signature or digest or certificate)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/01/05 06:59
S80	37	(decrypt\$4 or decipher\$4) same (compar\$4) same (received near9 (identifier or identification)) same (signature or digest or certificate)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/01/05 07:30
S81	2	"6314521".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/01/05 08:37
S82	2	ep-807911-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/01/05 08:37
S83	4237	KEY CERTIFICATE	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/01/22 15:57
S84	642	key near integrity	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/01/22 15:58
S85	288	key near integrity and ((digital signature) or certificate)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/01/22 16:10
S87	657037	integrated circuit	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/01/22 16:10
S88	0	(integrated circuit) same (key near5 protction near8 (certificate or signature))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/01/22 16:12

## • EAST Search History

S89	195	(integrated circuit) same (key near5 (certificate or signature))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/01/22 16:20
S90	23	((integrated circuit) or (IC card)) near9 (generating near6 (key near5 (certificate or signature)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/01/23 12:01